



JAPANESE
INDUSTRIAL
STANDARD

Translated and Published by
Japanese Standards Association

JIS B 2709-2 : 2009

(JSMA/JSA)

**Helical torsion springs—Part 2:
Expression of the specification**

ICS 21.160

Reference number : JIS B 2709-2 : 2009 (E)

Date of Establishment: 2009-10-20

Date of Public Notice in Official Gazette: 2009-10-20

Investigated by: Japanese Industrial Standards Committee
Standards Board

Technical Committee on Machine Elements

JIS B 2709-2:2009, First English edition published in 2010-11

Translated and published by: Japanese Standards Association
4-1-24, Akasaka, Minato-ku, Tokyo, 107-8440 JAPAN

In the event of any doubts arising as to the contents,
the original JIS is to be the final authority.

© JSA 2010

All rights reserved. Unless otherwise specified, no part of this publication may be reproduced or utilized in any form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from the publisher.

Printed in Japan

Contents

	Page
1 Scope	1
2 Normative references	1
3 Terms and definitions	1
4 Material of the spring and the diameter of the material	1
5 Shape of spring	1
6 Spring characteristics tolerances and dimensional tolerances	3
6.1 Grade of tolerance	3
6.2 Spring characteristics tolerances	3
6.3 Dimensional tolerances	3
7 Surface condition	6
8 Hardness	6
9 Test	6
9.1 Spring characteristics	6
9.2 Dimensions	6
9.3 Surface condition	6
9.4 Hardness	7
10 Expression of specifications	7
10.1 Spring drawings	7
10.2 Items to be included in specifications	7
10.3 Description of specifications	7

Foreword

This translation has been made based on the original Japanese Industrial Standard established by the Minister of Economy, Trade and Industry through deliberations at the Japanese Industrial Standards Committee according to the proposal for establishment of Japanese Industrial Standard submitted by Japan Spring Manufacturers Association (JSMA)/Japanese Standards Association (JSA) with the draft being attached, based on the provision of Article 12 Clause 1 of the Industrial Standardization Law. Consequently **JIS B 2709**:2000 was withdrawn and partially replaced with this Standard.

This **JIS** document is protected by the Copyright Law.

Attention is drawn to the possibility that some parts of this Standard may conflict with a patent right, application for a patent after opening to the public, utility model right or application for registration of utility model after opening to the public which have technical properties. The relevant Minister and the Japanese Industrial Standards Committee are not responsible for identifying the patent right, application for a patent after opening to the public, utility model right or application for registration of utility model after opening to the public which have the said technical properties.

JIS B 2709 series consists of the following 2 parts under the general title “*Helical torsion springs*”:

Part 1: Basic calculation methods

Part 2: Expression of the specification